

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

(Use several sheets if necessary)

Applicant

Marté et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	AA 5 6 8 0 0 8 6	10/21/97	Allis	—	—	
RB	AB 5 6 3 1 6 1 6	05/20/97	Ohta	—	—	
RB	AC 5 2 8 3 5 4 4	02/01/94	Sakurai	—	—	
RB	AD 4 8 1 8 9 6 6	04/04/89	Miyamoto	—	—	
RB	AE 5 3 1 7 2 9 7	05/31/94	Kaufman	—	—	
RB	AF 4 5 4 0 4 5 3	09/10/85	Boredelon	—	—	
RB	AG 5 3 8 3 9 7 8	01/24/95	Yamamoto	—	—	
RB	AH 4 4 9 6 3 9 5	01/29/85	Croat	—	—	
RB	AI 6 1 2 0 6 2 0	09/19/00	Benz	—	—	
RB	AJ 6 1 5 7 2 8 1	12/05/00	Katznelson	—	—	
RB	AK 6 1 6 3 2 4 0	12/19/00	Zuk	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	No
RB	AL	0 3 1 7 0 6 4 3		JAPAN	—	—		
RB	AM	0 2 1 4 1 5 0 1		JAPAN	—	—		
RB	AN	6 2 3 9 3 9	11/09/94	EUROPEAN PATENT APPL.	—	—		
RB	AO	1 0 1 7 4 6 8 1		JAPAN	—	—		
RB	AP	0 0 4 8 2 0 8	08/17/00	PCT APPLICATION	—	—		

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

RB	AR	Abstract of Japan 2002-536,842
RB	AS	"Electrical Engineering Concepts and Applications," A. Bruce Carlson et al., Addison-Wesley Publishing Co., 1990, pp. 119-121.
RB	AT	"Magnetic Materials and Their Properties," E.A. Brandes et al., Smithells Metal Reference Book, Butterworth-Heinemann Ltd., 1992, p. 20-6.

EXAMINER

Banera

DATE CONSIDERED

8/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

(Use several sheets if necessary)

Applicant

Marte et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	BA 4 8 2 7 2 3 5	05/02/89	Inomata	—	—	
RB	BB 6 5 1 8 8 6 7	02/11/03	Laskaris	—	—	
RB	BC 6 5 2 5 6 3 4	02/25/03	Laskaris	—	—	
RB	BD 6 2 5 9 2 5 2	07/10/01	Laskaris	—	—	
RB	BE 6 2 5 5 6 7 0	07/03/01	Srivastava	—	—	
RB	BF 6 4 2 9 7 6 1	08/06/02	Laskaris	—	—	
RB	BG 3 8 9 9 7 6 2	08/12/75	Studders	—	—	
RB	BH 5 3 4 3 1 8 0	08/30/94	Fukumoto	—	—	
RB	BI 5 2 5 2 9 2 4	10/12/93	Sakurai	—	—	
RB	BJ 2002/0021129	02/21/02	Laskaris	—	—	
RB	BK 4 5 8 8 4 3 9	05/13/86	Narasimhan	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
BL							
BM							
BN							
BO							
BP							

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

RB	BR	"Permanent Magnet Assembly and Method of Making Thereof," Laskaris et al., Serial No. 10/309,146 (GE docket RD-28500-4), filed 12/04/02.
RB	BS	"Permanent Magnet Assembly and Method of Making Thereof," Laskaris et al., Serial No. 10/309,139 (GE docket RD-28500-5), filed 12/04/02.
RB	BT	"On the Oxygen Stabilized Nd-rich Phase in the Nd-Fe-B(-O) Permanent Magnet System," D. Lemarchand, P. Vigler, B. Labulle, IEEE Trans. Magnetics, Vol. 26, No. 5, 1990, pp. 2649-51.

EXAMINER

Banua

DATE CONSIDERED

8/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--

LIST OF ITEMS

(Use several sheets if necessary)

Applicant

Marte et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	CA 4 6 0 1 8 7 6	07/22/86	Yamashita	—	—	
RB	CB 4 6 6 8 2 8 3	05/26/87	Honda	—	—	
RB	CC 4 7 4 6 3 7 8	05/24/88	Wysiekierski	—	—	
RB	CD 4 7 6 9 0 6 3	09/06/88	Ishigaki	—	—	
RB	CE 4 7 7 0 7 0 2	09/13/88	Ishigaki	—	—	
RB	CF 4 7 7 0 7 2 3	09/13/88	Sagawa	—	—	
RB	CG 4 7 9 2 3 6 8	10/20/88	Sagawa	—	—	
RB	CH 4 7 9 3 8 7 4	10/27/88	Mizoguchi	—	—	
RB	CI 4 8 7 3 6 0 5	10/10/89	Drits	—	—	
RB	CJ 4 8 7 8 9 6 4	11/07/89	Mizoguchi	—	—	
RB	CK 4 8 9 8 6 1 3	02/06/90	Ishigaki	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES No
CL						
CM						
CN						
CO						
CP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

RB	CR	"The Effects of Average Grain Size on the Magnetic Properties and Corrosion Resistance of NdFeB Sintered Magnets," D.W. Scott et al., Journal of Applied Physics, 79 (8), 15 April, 1996, pp. 5501-5503.
RB	CS	"Effect of Oxygen, Carbon, and Nitrogen Contents on the Corrosion Resistance of Nd-Fe-B Magnets," A.S. Kim et al., IEEE Trans. on Magnetics, Vol. 26, No. 5, September 1990, pp. 1936-1938.
RB	CT	"Stability of Nd-Fe-B Powders Obtained by Hydrogen Decrepitation," M. Verdier et al., IEEE Trans. on Magnetics, Vol. 30 No. 2, March 1994, pp. 657-659.

EXAMINER

Baner

DATE CONSIDERED

8/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

(Use several sheets if necessary)

Applicant

Marte et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	DA 4 8 9 8 6 2 5	02/06/90	Otsuka	—	—	
RB	DB 4 9 0 2 3 5 7	02/20/90	Imaizumi	—	—	
RB	DC 4 9 3 5 0 7 5	06/19/90	Mizoguchi	—	—	
RB	DD 4 9 5 2 2 5 1	08/28/90	Iwasaki	—	—	
RB	DE 4 9 7 8 3 9 8	12/18/90	Iwasaki	—	—	
RB	DF 5 0 1 1 5 5 2	04/30/91	Otsuka	—	—	
RB	DG 5 0 7 1 4 9 3	12/10/91	Mizoguchi	—	—	
RB	DH 5 0 9 8 4 8 6	03/24/92	Iwasaki	—	—	
RB	DI 5 1 2 5 9 9 0	06/30/92	Iwasaki	—	—	
RB	DJ 5 1 2 9 9 6 4	07/14/92	Anderson	—	—	
RB	DK 5 1 4 7 4 4 7	09/15/92	Takeshita	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	DL						
	DM						
	DN						
	DO						
	DP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

RB	DR	"A Nd-Fe-O Intergranular Phase in Nd-Fe-B Sintered Magnets and Its Effect on Coercivity," Z. Chen et al., IEEE Trans. on Magnetics, Vol. 31 No. 3, May 1995, pp. 2215-2219.
RB	DS	"The Role of Oxygen for Improving Magnetic Properties and Thermal Stability of Sintered (Nd,Dy)(Fe,Co)B Magnets," IEEE Trans. on Magnetics, Vol. 31 No. 6, November 1995, pp. 3656-3658.
RB	DT	"On the Grain-Boundary Phase in Iron Rare-Earth Boron Magnets," R. Ramesh et al., Journal of Applied Physics 61 (8), 15 April, 1987, pp. 2993-2998.

EXAMINER

Barnea

DATE CONSIDERED

8/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

Applicant

Marte et al.

Filing Date

Group

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	EA 5 1 6 2 0 6 4	11/10/92	Kim	—	—	
RB	EB 5 1 9 4 0 9 9	03/16/93	Esper	—	—	
RB	EC 5 2 1 7 5 4 1	06/08/93	Chin	—	—	
RB	ED 5 2 1 7 5 4 3	06/08/93	Inokoshi	—	—	
RB	EE 5 2 2 5 0 0 4	07/06/93	O'Handley	—	—	
RB	EF 5 2 8 1 2 5 0	01/25/94	Hamamura	—	—	
RB	EG 5 2 8 2 9 0 4	02/01/94	Kim	—	—	
RB	EH 5 2 8 6 3 0 7	02/15/94	Anderson	—	—	
RB	EI 5 3 5 2 3 0 1	10/04/94	Panchanathan	—	—	
RB	EJ 5 4 2 7 7 3 4	06/27/95	Yamashita	—	—	
RB	EK 5 4 3 1 7 4 7	07/11/95	Takebuchi	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
EL							
EM							
EN							
EO							
EP							

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

RB	ER	"Oxidation of Fe-R-B Powders During Preparation of Permanent Magnets," C.N. Christodoulou et al., Journal of Applied Physics 61 (8), 15 April, 1987, pp. 3760-3762.
RB	ES	"Effect of Oxygen on Magnetic Properties of Nd-Fe-B Magnets," A.S. Kim, Journal of Applied Physics 64 (10), 15 November 1988, pp. 5571-5573.
RB	ET	"Replacement of Nd by an Intermetallic Phase in the Intergranular Region of Fe-Nd-B Sintered Magnets," B. Grieb et al., Journal of Applied Physics 70 (10), 15 November 1991, pp. 6354-6356.

EXAMINER

Baner

DATE CONSIDERED

8/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

133736

Applicant

Marte et al.

Filing Date

Group

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--

LIST OF ITEMS

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	FA 5 4 7 8 4 1 1	12/26/95	Coey	—	—	
RB	FB 5 4 8 0 4 7 1	01/02/96	Kim	—	—	
RB	FC 5 4 8 1 0 8 4	01/02/96	Patrick	—	—	
RB	FD 5 4 8 2 5 7 5	01/09/96	Barzasi	—	—	
RB	FE 5 5 3 8 5 6 5	07/23/96	Akioka	—	—	
RB	FF 5 5 6 5 0 4 3	10/15/96	Akioka	—	—	
BB	FG 5 5 7 5 8 3 0	11/19/96	Yamashita	—	—	
RB	FH 5 5 8 9 0 0 9	12/31/96	Kim	—	—	
RB	FI 5 5 9 7 4 2 5	01/28/97	Akioka	—	—	
RB	FJ 5 6 4 8 1 6 0	07/15/97	Kishimoto	—	—	
RB	FK 5 6 7 4 3 2 7	10/07/97	Yamamoto	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES No
FL						
FM						
FN						
FO						
FP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.).

RB	FR	"A New Stable Ferromagnetic Phase in Nd-Fe-B Magnets and its Effect on Coercivity," Z. Chan et al., Journal of Applied Physics 74 (5), 1 September 1993, pp. 3596-3598.
RB	FS	"High Performance Nd-Fe-B Sintered Magnets Made by the Wet Process," M. Takahashi et al., Journal of Applied Physics 83 (11), 1 June 1998, pp. 6402-6404.
	FT	

EXAMINER

Banera

DATE CONSIDERED

8/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
LIST OF ITEMSApplicant
Marte et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	GA 5,858,123	01/12/99	Uchida	—	—	
RB	GB 5,942,053	08/24/99	Sekine	—	—	
RB	GC 5,997,804	12/07/99	Uchida	—	—	
RB	GD 6,022,424	02/08/00	Sellers	—	—	
RB	GE 6,045,751	04/04/00	Buschow	—	—	
RB	GF 6,080,245	06/27/00	Uchida	—	—	
RB	GG 6,159,308	12/12/00	Uchida	—	—	
RB	GH 6,187,259	02/13/01	Yamashita	—	—	
RB	GI 6,221,123	04/24/00	Mann, Sr.	—	—	
RB	GJ 6,261,515	07/17/01	Ren	—	—	
RB	GK 6,277,211	08/21/01	Panchanathan	—	—	
RB	GL 6,281,774	08/28/01	Nishiuchi	—	—	
RB	GM 6,296,720	10/02/01	Yamamoto	—	—	
RB	GN 6,312,494	11/06/01	Tokoro	—	—	
RB	GO 6,368,551	04/09/02	Sekine	—	—	
RB	GP 6,413,327	07/02/02	Okajima	—	—	
RB	GQ 6,447,621	09/10/02	Tokoro	—	—	
RB	GR 6,468,365	10/22/02	Uchida	—	—	
RB	GS 6,475,302	11/05/02	Mei	—	—	
RB	GT 6,482,353	11/19/02	Kuniyoshi	—	—	
RB	GU 6,491,765	12/10/02	Okayama	—	—	
RB	GV 6,506,265	01/14/03	Yamamoto	—	—	
RB	GW 6,511,631	01/28/03	Kuniyoshi	—	—	
RB	GX 6,537,345	03/25/03	Terada	—	—	
RB	GY 6,537,385	03/25/03	Okayama	—	—	
RB	GZ 5,472,525	12/05/95	Tokunaga	—	—	

EXAMINER

Banera

DATE CONSIDERED

8/22/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
133736

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
LIST OF ITEMSApplicant
Marte et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB	HA 2002/0000262	01/03/02	Ono	—	—	
RB	HB 2002/0001534	01/03/02	Kunioshi	—	—	
RB	HC 2002/0007875	01/24/02	Yamamoto	—	—	
RB	HD 2002/0020469	02/21/02	Okayama	—	—	
RB	HE 2002/0033205	03/21/02	Tamura	—	—	
RB	HF 2002/0036029	03/28/02	Kikugawa	—	—	
RB	HG 2002/0036031	03/28/02	Sakaki	—	—	
RB	HH 2002/0050306	05/02/02	Nishiuchi	—	—	
RB	HI 2002/0054824	05/09/02	Tokoro	—	—	
RB	HJ 2002/0057982	05/16/02	Kuniyoshi	—	—	
RB	HK 2002/0062884	05/30/02	Kaneko	—	—	
RB	HL 2002/0112785	08/22/02	Sekine	—	—	
RB	HM 2002/0117237	08/29/02	Takaki	—	—	
RB	HN 2002/0144754	10/10/02	Tokoro	—	—	
RB	HO 2003/0000600	01/02/03	Okayama	—	—	
RB	HP 2003/0051774	03/20/03	Saito	—	—	
RB	HQ 2001/0020495	09/13/01	Mei	—	—	
	HR					
	HS					
	HT					
	HU					
	HV					
	HW					
	HX					
	HY					
	HZ					

EXAMINER

Banera

DATE CONSIDERED

8/21/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant